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B.Tech.(CE) (2012 to 2017) (Sem.-7,8)

DISASTER MANAGEMENT

Subject Code : BTCE-802

M.Code : 71860

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt ANY TWO questions.**

SECTION-A

1. Answer briefly :

- a. Differentiate between vulnerability and risk.
- b. What is meant by Disaster management and Disaster Mitigation?
- c. What is the mechanism of destruction by landslides?
- d. List some natural and man-made hazards.
- e. What are shear walls? Why are these provided in buildings?
- f. Write a short note about Tsunamis.
- g. What are flash floods?
- h. What types of roof shape is best suited for cyclone prone area?
- i. List the role of NGOs in disaster management.
- j. How can planning and design of infrastructure help in disaster management?

SECTION-B

2. What are hazards? Why is the study about hazards important for Indian subcontinent? Explain.
3. What are the points to be considered before, during and after natural disaster?
4. Explain the role of remote sensing systems in disaster management.
5. What are the various causes of floods? What are the flood management policies enacted in India from time to time?
6. What is retrofitting? Explain the various ways by which retrofitting of a damaged structure can be achieved.

SECTION-C

7. Explain the role of various agencies in disaster management.
8. Discuss in detail the causes and impact of global warming. What should be done to reduce it?
9. *‘Effective techniques of community participation go a long way in disaster management’*. Discuss this statement in general and then specific to the smog condition prevalent in northern India during the month of November.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.